Allenstown Sewer Commission
35 Canal Street
Allenstown, NH 03275
603-485-5600
F# 800-859-0081
amartel@allenstownnh.gov

INVITATION TO BID
(BID# MH2015)

Notice is hereby given that the Allenstown Sewer Commission is accepting sealed proposals for:

REPAIR & REPLACE MANHOLE FRAME/COVERS

All persons and companies wishing to submit a bid must obtain a complete copy of the Bid Specifications; Bidder must submit a W-9 form and completed bid documents. There is no charge for requesting or submitting a proposal.

MAILING/DELIVERY ADDRESS:
Allenstown Sewer Commission
35 Canal Street
Allenstown, NH 03275
Attn: Andrea Martel

An original and three (3) copies of the proposal, including all completed documents and attachments, shall be placed in sealed envelope, marked BID # MH2015 and delivered prior to the proposal opening deadline of June 23, 2015 at 4:00 PM. No fax or emailed bid documents will be accepted.

Brief description:
Allenstown Sewer Commission is seeking a qualified vendor to perform repairs to 10 manholes specified in this document. Such services shall consist of but not be limited to mobilization, cleaning of inside manhole structure, provision of all labor and materials necessary to complete the specified manhole repairs along with re-surfacing of the road once the manhole repairs have been completed inspected and approved.

2015 MH REPAIR AND/OR REPLACE

Project # MH2015

DESCRIPTION OF MANHOLE REPAIRS

B38 (8 Theodore Avenue)- NOTE: Cover is buried approximately 4" below pavement. Work to be performed: saw cut a 9' x 9' area around manhole structure; remove existing material to a depth of 20" from the cover elevation; remove existing material to top of cone; clean area of any sand or debris; install new concrete riser with proper mortar ***as determined***; clean and remove any sand or debris from manhole structure; install new ASC hinged frame and cover; install concrete around structure as indicated in Attachment A; install tack completely along top of concrete and edge of structure prior to paving, pave excavated area and match to existing pavement.

B43 (7 Hamel Ave)- Work to be performed: saw cut a 9' x 9' area around manhole structure; remove existing material to a depth of 20" from the cover elevation; remove existing 8" riser; clean area of any sand or debris; install new 8" concrete riser with proper mortar; clean and remove any sand or debris from manhole structure; install new ASC hinged frame and cover; install concrete around structure as indicated in Attachment A; install tack completely along top of concrete and edge of structure prior to paving, pave excavated area and match to existing pavement.

C32 (High Ridge Trail-Top of Notre Dame Avenue)-NOTE: Cover is buried approximately 1" below pavement. Work to be performed: saw cut a 9' x 9' area around manhole structure; remove existing material to a depth of 20" from the cover elevation; remove existing material to cone; clean area of any sand or debris; install new concrete riser with proper mortar ***as determined***; clean and remove any sand or debris from manhole structure; install new ASC hinged frame and cover; install concrete around structure as indicated in Attachment A; install tack completely along top of concrete and edge of structure prior to paving, pave excavated area and match to existing pavement.

D16 (9 Sargent Street)-NOTE: Cover is buried approximately 1" below pavement Work to be performed: saw cut a 9' x 9' area around manhole structure; remove existing material to a depth of 20" from the cover elevation; remove existing material to cone; clean area of any sand or debris; install new concrete riser with proper mortar ***as determined***; clean and remove any sand or debris from manhole structure; install new ASC hinged frame and cover; install concrete around structure as indicated in Attachment A; install tack completely along top of concrete and edge of structure prior to paving, pave excavated area and match to existing pavement.

E6 (17 River Road)-Work to be performed: saw cut a 9' x 9' area around manhole structure; remove existing material to a depth of 20" from the cover elevation; remove existing (1) row of brick; clean area of any sand or debris; reinstall bricks with proper mortar; clean and remove any sand or debris from manhole structure; install new ASC hinged frame and cover; install concrete around structure as indicated in Attachment A; install tack completely along top of concrete and edge of structure prior to paving, pave excavated area and match to existing pavement.

E9 (37 River Road)-Work to be performed: saw cut a 9’ x 9’ area around manhole structure; remove existing material to a depth of 15” from the cover elevation; remove existing (1) row of brick; clean area of any sand or debris; reinstall bricks with proper mortar; clean and remove any sand or debris from manhole structure; install new ASC hinged frame and cover; install concrete around structure as indicated in Attachment A; install tack completely along top of concrete and edge of structure prior to paving, pave excavated area and match to existing pavement.

E11 (44 River Road)-Work to be performed: saw cut a 9’ x 9’ area around manhole structure; remove existing material to a depth of 15” from the cover elevation; remove existing (1) row of brick; clean area of any sand or debris; reinstall bricks with proper mortar; clean and remove any sand or debris from manhole structure; install new ASC hinged frame and cover; install concrete around structure as indicated in Attachment A; install tack completely along top of concrete and edge of structure prior to paving, pave excavated area and match to existing pavement.

E13 (47 River Road)- Work to be performed: remove asphalt from cover; saw cut a 9’ x 9’ area around manhole structure; remove existing material to a depth of 20” from the cover elevation; remove existing (3) row of brick; clean area of any sand or debris; install 6” concrete riser with proper mortar; clean and remove any sand or debris from manhole structure; install new ASC hinged frame and cover; install concrete around structure as indicated in Attachment A; install tack completely along top of concrete and edge of structure prior to paving, pave excavated area and match to existing pavement.

E16 (57 River Road)- Work to be performed: saw cut a 9’ x 9’ area around manhole structure; remove existing material to a depth of 20” from the cover elevation; remove existing (3) row of brick; clean area of any sand or debris; install 6” concrete riser with proper mortar; clean and remove any sand or debris from manhole structure; install new ASC hinged frame and cover; install concrete around structure as indicated in Attachment A; install tack completely along top of concrete and edge of structure prior to paving, pave excavated area and match to existing pavement.

EE1.4 (108 Granite Street)-Work to be performed: saw cut a 9’ x 9’ area around manhole structure; remove existing material to a depth of 20” from the cover elevation; remove existing (3) row of brick; clean area of any sand or debris; install 6” concrete riser with proper mortar; clean and remove any sand or debris from manhole structure; install new ASC hinged frame and cover; install concrete around structure as indicated in Attachment A; install tack completely along top of concrete and edge of structure prior to paving, pave excavated area and match to existing pavement.

QUOTE PRICING

Contractor: _____

Address, City, Zip: _____

Telephone: _____ Bid Prepared By: _____

ITEM	TOTAL UNITS	UNIT COST	EXTENSION
MANHOLE REPAIRS			
1) B38			
Concrete Riser/Bricks	TBD	$	$
Tack		$	$
Hinged frame & Cover	Supplied by ASC	$0.00	$0.00
Concrete	2 Yards	$	$
Binder & wearing coarse (paving)		$	$
Labor/other materials		$	$
SUBTOTAL FOR B38			**$**
2) B43			
Concrete Riser	(1) 8" Riser	$	$
Tack		$	$
Hinged frame & Cover	Supplied by ASC	$0.00	$0.00
Concrete	2 Yards	$	$
Binder & wearing coarse (paving)		$	$
Labor/other materials		$	$
SUBTOTAL FOR B43			**$**
3) C32			
Concrete Riser	TBD	$	$
Tack		$	$
Hinged frame & Cover	Supplied by ASC	$0.00	$0.00
Concrete	2 Yards	$	$
Binder & wearing coarse (paving)		$	$
Labor/other materials		$	$
SUBTOTAL FOR C32			**$**
4) D16			
Concrete Riser/Brick	TBD	$	$
Tack		$	$
Hinged frame & Cover	Supplied by ASC	$0.00	$0.00
Concrete	2 Yards	$	$
Binder & wearing coarse (paving)		$	$
Labor/other materials		$	$
SUBTOTAL FOR D16			**$**

5) E6

Concrete Riser		$	$
Tack		$	$
Hinged frame & Cover	Supplied by ASC	$0.00	$0.00
Concrete	2 Yards	$	$
Binder & wearing coarse (paving)		$	$
Labor/other materials		$	$
SUBTOTAL FOR E6			**$**

6) E9

Bricks	1 Row	$	$
Tack		$	$
Hinged frame & Cover	Supplied by ASC	$0.00	$0.00
Concrete	2 Yards	$	$
Binder & wearing coarse (paving)		$	$
Labor/other materials		$	$
SUBTOTAL FOR E9			**$**

7) E11

Bricks	(1) Row	$	$
Tack		$	$
Hinged Frame & Cover	Supplied by ASC	$0.00	$0.00
Concrete	2 Yards	$	$
Binder & wearing coarse (paving)		$	$
Labor/other materials		$	$
SUBTOTAL FOR E11			**$**

8) E13

Concrete Riser	(1) 2''Riser	$	$
Tack		$	$
Hinged frame & Cover	Supplied by ASC	$0.00	$0.00
Concrete	2 Yards	$	$
Binder & wearing coarse (paving)		$	$
Labor/Other materials		$	$
SUBTOTAL FOR E16			**$**

9) E16

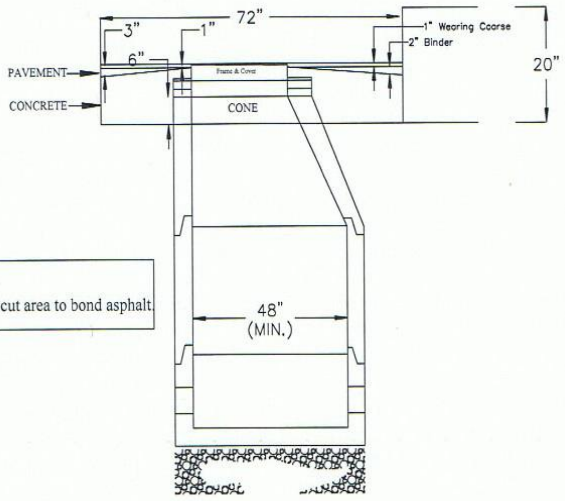
Concrete Riser	(1) 6"	$	$
Tack		$	$
Hinged frame & Cover	Supplied by ASC	$0.00	$0.00
Concrete	2 Yards	$	$
Binder & wearing coarse (paving)		$	$
Labor/other materials		$	$
SUBTOTAL FOR E16			**$**

10) EE1.4

Concrete Riser	(1) 6”	$	$
Tack		$	$
Hinged frame & Cover	Supplied by ASC	$0.00	$0.00
Concrete	2 Yards	$	$
Binder & wearing coarse (paving)		$	$
Labor/other materials		$	$
SUBTOTAL FOR EE1.4			**$**

MANHOLE REPAIR GRAND TOTAL: **$**

ATTACHMENT A



NOTE:
Adhere Tack to concrete, MH Structure and saw cut area to bond asphalt.

TYPICAL SECTION

NOTES:

1. THE MANHOLE, INCLUDING ALL COMPONENT PARTS, SHALL HAVE ADEQUATE SPACE, STRENGTH AND LEAKPROOF QUALITIES CONSIDERED NECESSARY FOR THE INTENDED SERVICE SPACE REQUIREMENTS AND CONFIGURATIONS, SHALL BE AS SHOWN ON THE DRAWING. MANHOLES MAY BE AN ASSEMBLY OF PRECAST SECTIONS, WITH OR WITHOUT STEEL REINFORCEMENT, WITH ADEQUATE JOINTING, OR CONCRETE CAST MONOLITHICALLY IN PLACE WITH OR WITHOUT REINFORCEMENT. IN ANY APPROVED MANHOLE, THE COMPLETE STRUCTURE SHALL BE OF SUCH MATERIAL AND QUALITY AS TO WITHSTAND LOADS OF 8 TONS (H-20 LOADING) WITHOUT FAILURE AND PREVENT LEAKAGE IN EXCESS OF ONE GALLON PER DAY PER VERTICAL FOOT OF MANHOLE, CONTINUOUSLY FOR THE LIFE OF THE STRUCTURE. A PERIOD GENERALLY IN EXCESS OF 25 YEARS IS TO BE UNDERSTOOD IN BOTH CASES.

2. INVERTS AND SHELVES MANHOLES SHALL HAVE A BRICK PAVED SHELF AND INVERT, CONSTRUCTED TO CONFORM TO THE SIZE OF PIPE AND FLOW. AT CHANGES IN DIRECTION, THE INVERTS SHALL BE LAID OUT IN CURVES OF THE LONGEST RADIUS POSSIBLE TANGENT TO THE CENTER LINE OF THE SEWER PIPES. SHELVES SHALL BE CONSTRUCTED TO THE ELEVATION OF THE HIGHEST PIPE CROWN AND SLOPE TO DRAIN TOWARD THE FLOWING THROUGH CHANNEL. UNDERLAYMENT OF INVERT AND SHELF SHALL CONSIST OF BRICK MASONRY.

3. SHALLOW MANHOLE IN LIEU OF A CONE SECTION, WHEN MANHOLE DEPTH IS LESS THAN 6 FEET, A REINFORCED CONCRETE SLAB COVER SHALL BE USED, WHERE INDICATED, HAVING AN ECCENTRIC ENTRANCE OPENING AND CAPABLE OF SUPPORTING H-20 LOADS. SEE MISCELLANEOUS DETAILS-SEWERS.

SEWER MANHOLE DETAILS

N.T.S.